

FIG. 1

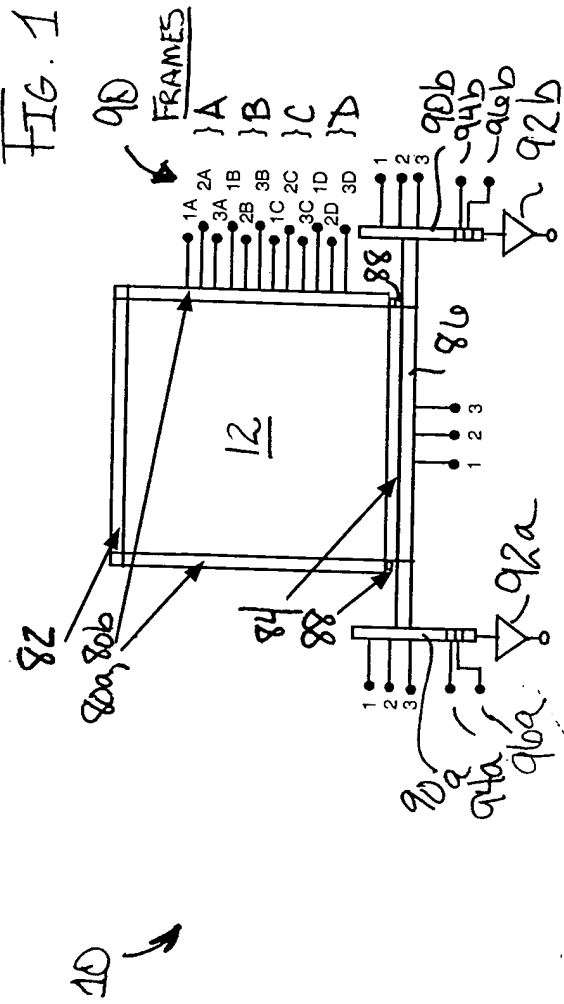


FIG. 2A

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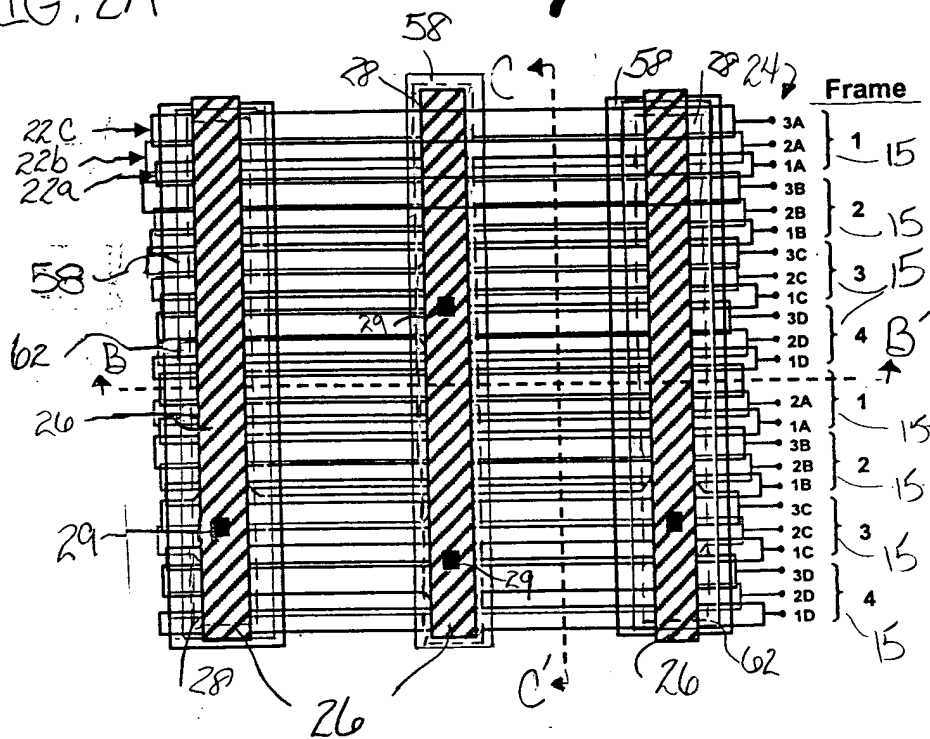


FIG. 2B

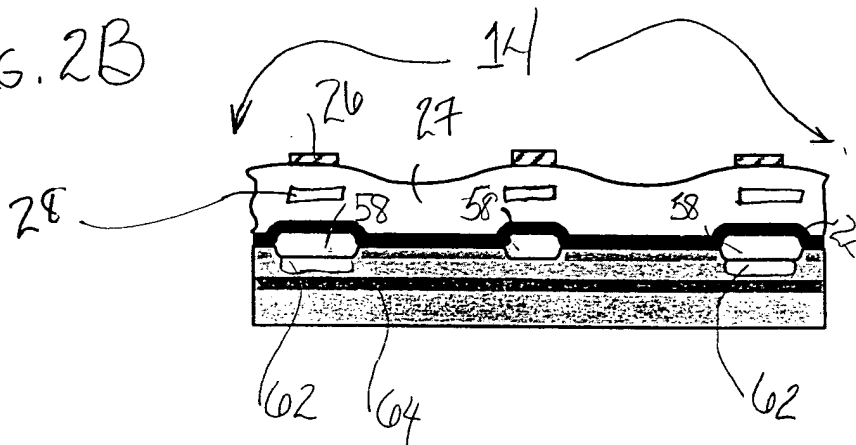


FIG. 2C

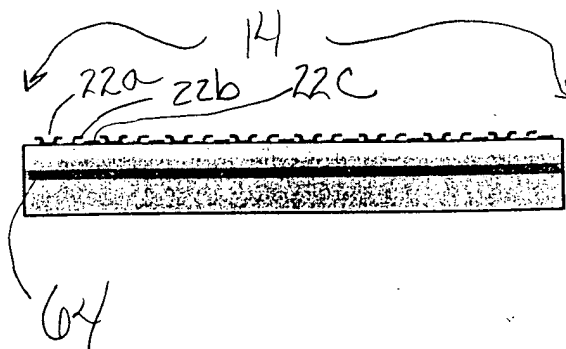


FIG. 3A

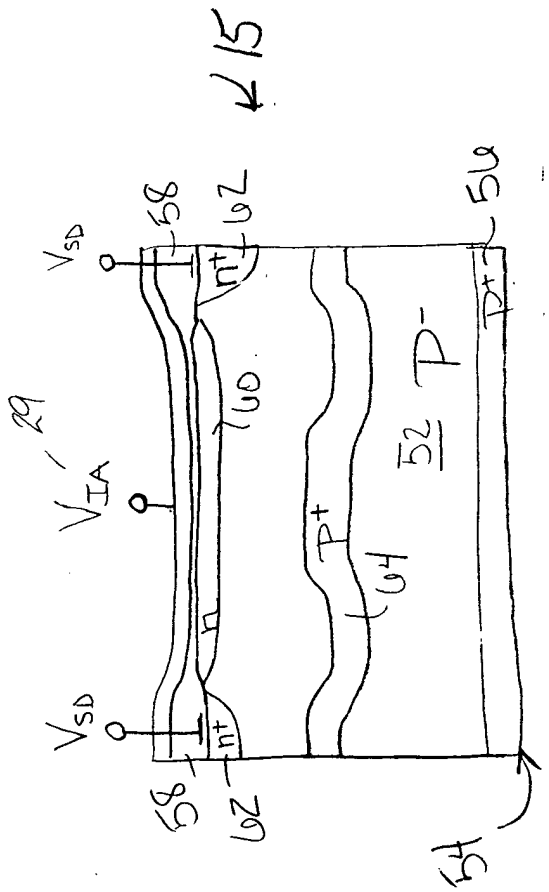


FIG. 3B

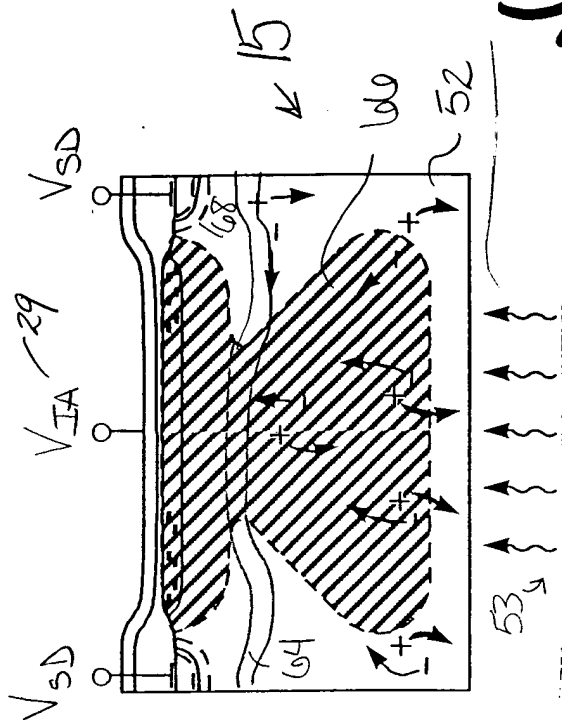


FIG. 3C

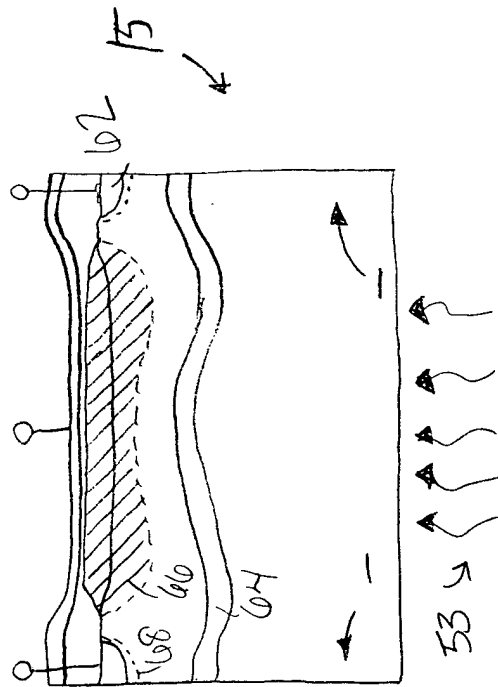
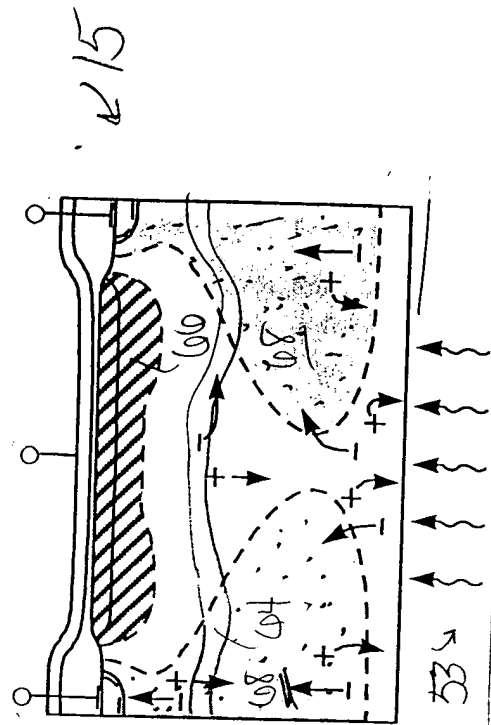


FIG. 3D



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FIG. 4A

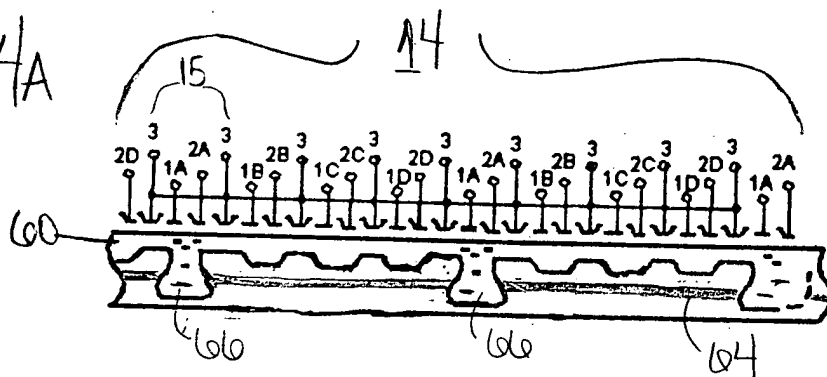


FIG. 4B

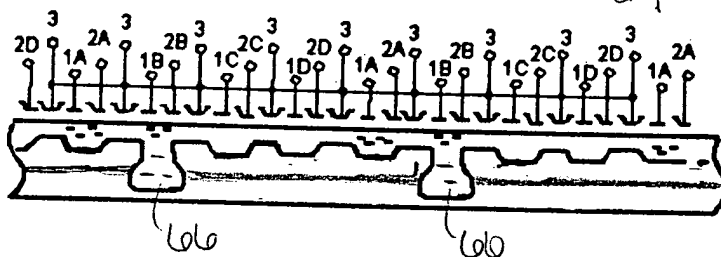


FIG. 4C

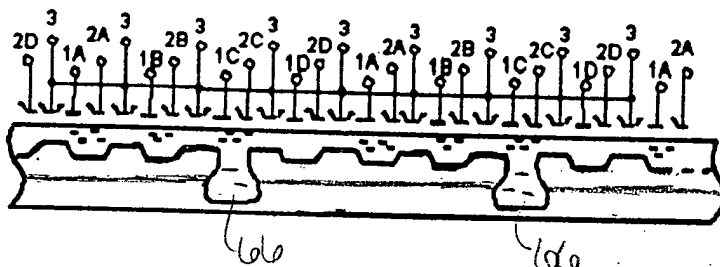
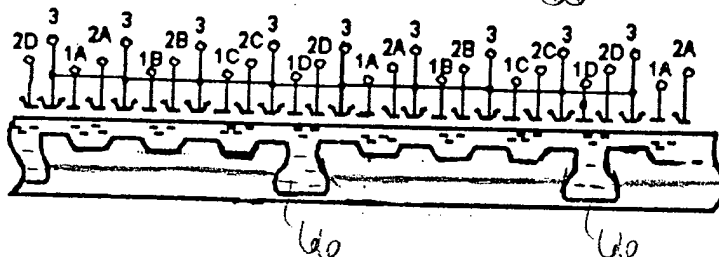


FIG. 4D



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FIG. 5

100

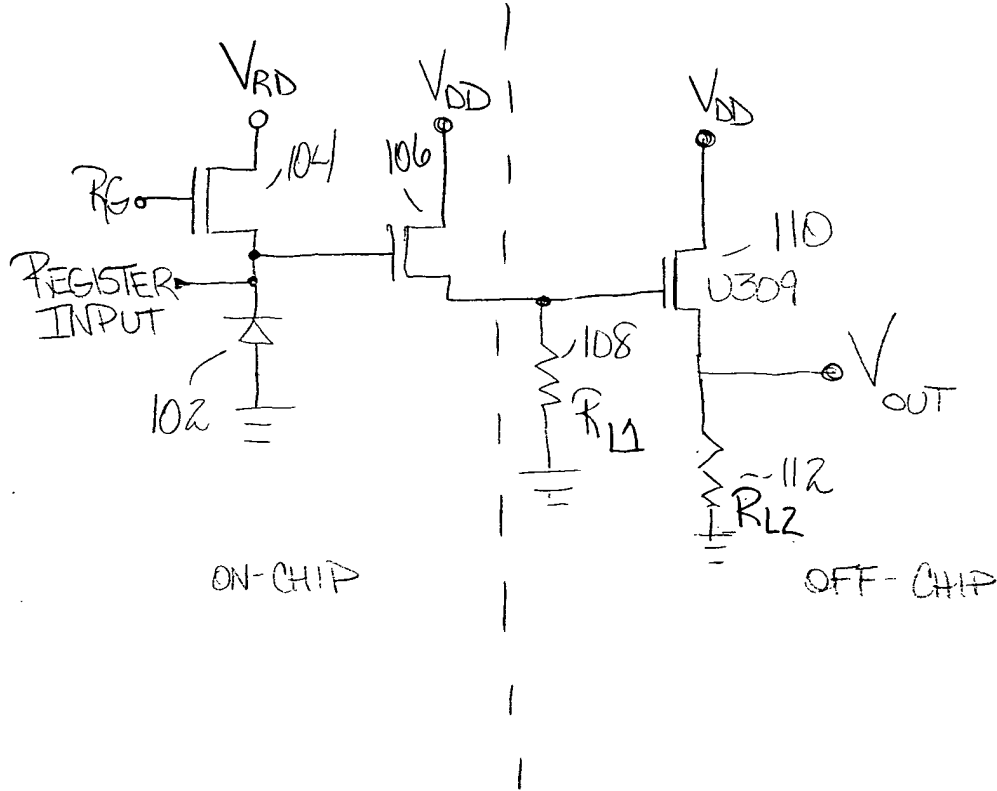


FIG. 8

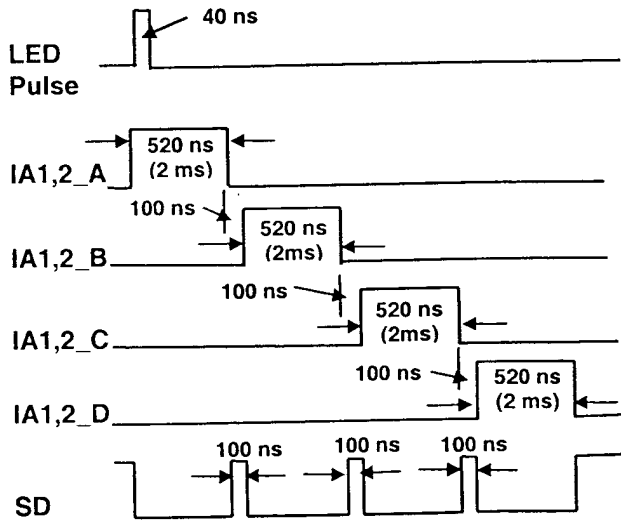
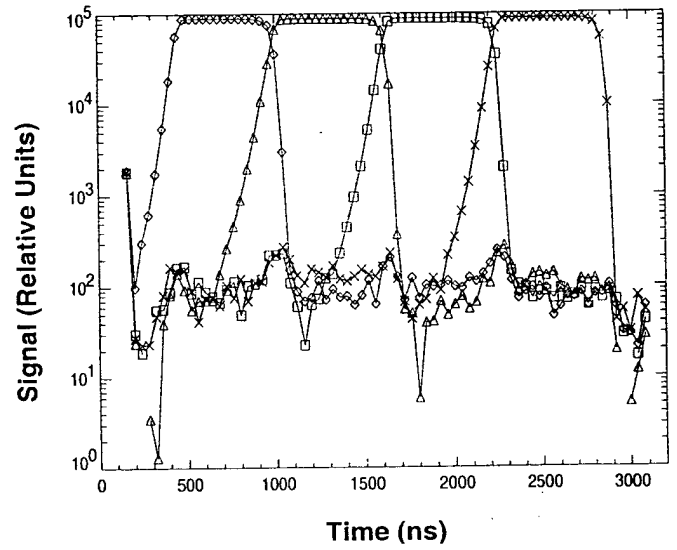
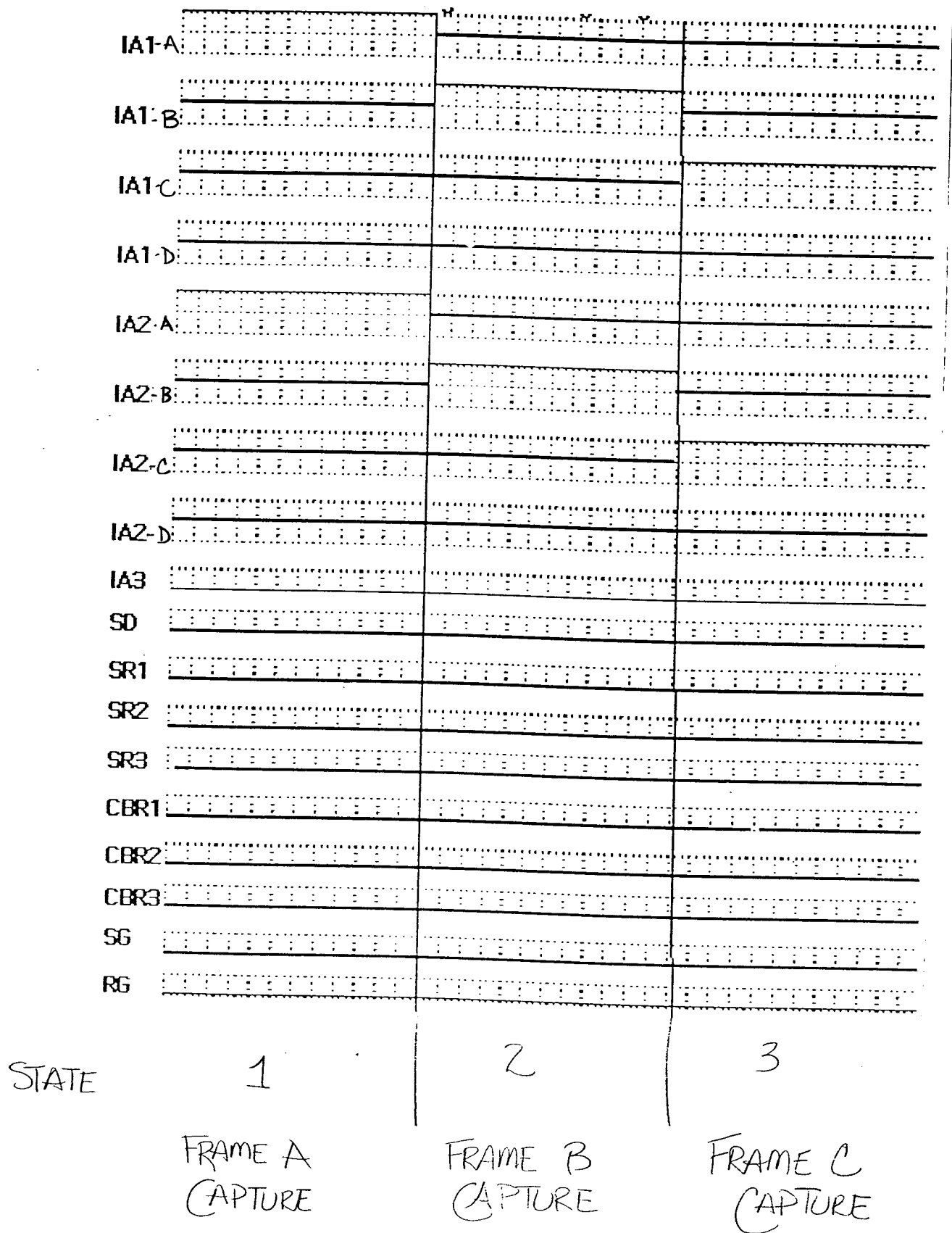


FIG. 9



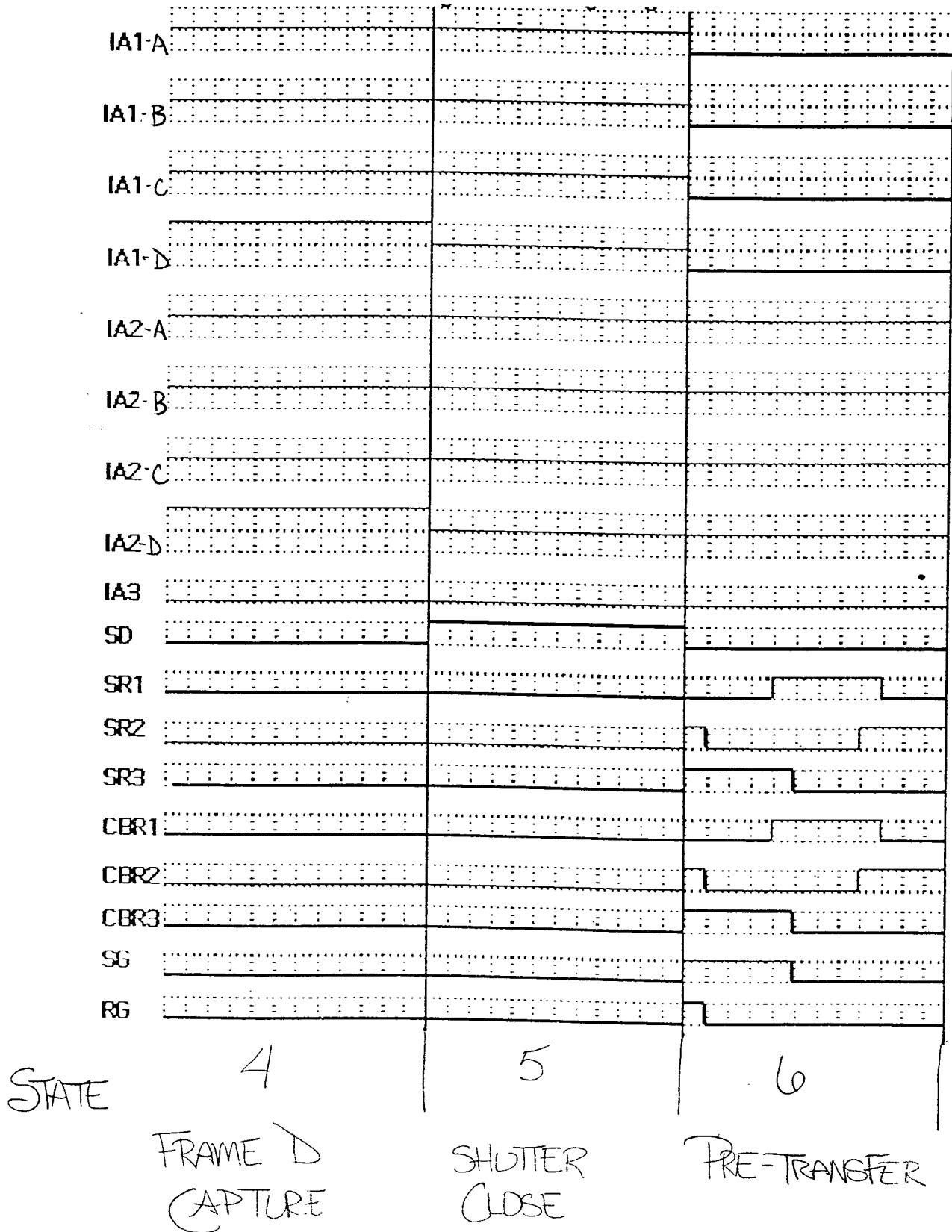
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FIG. 6A



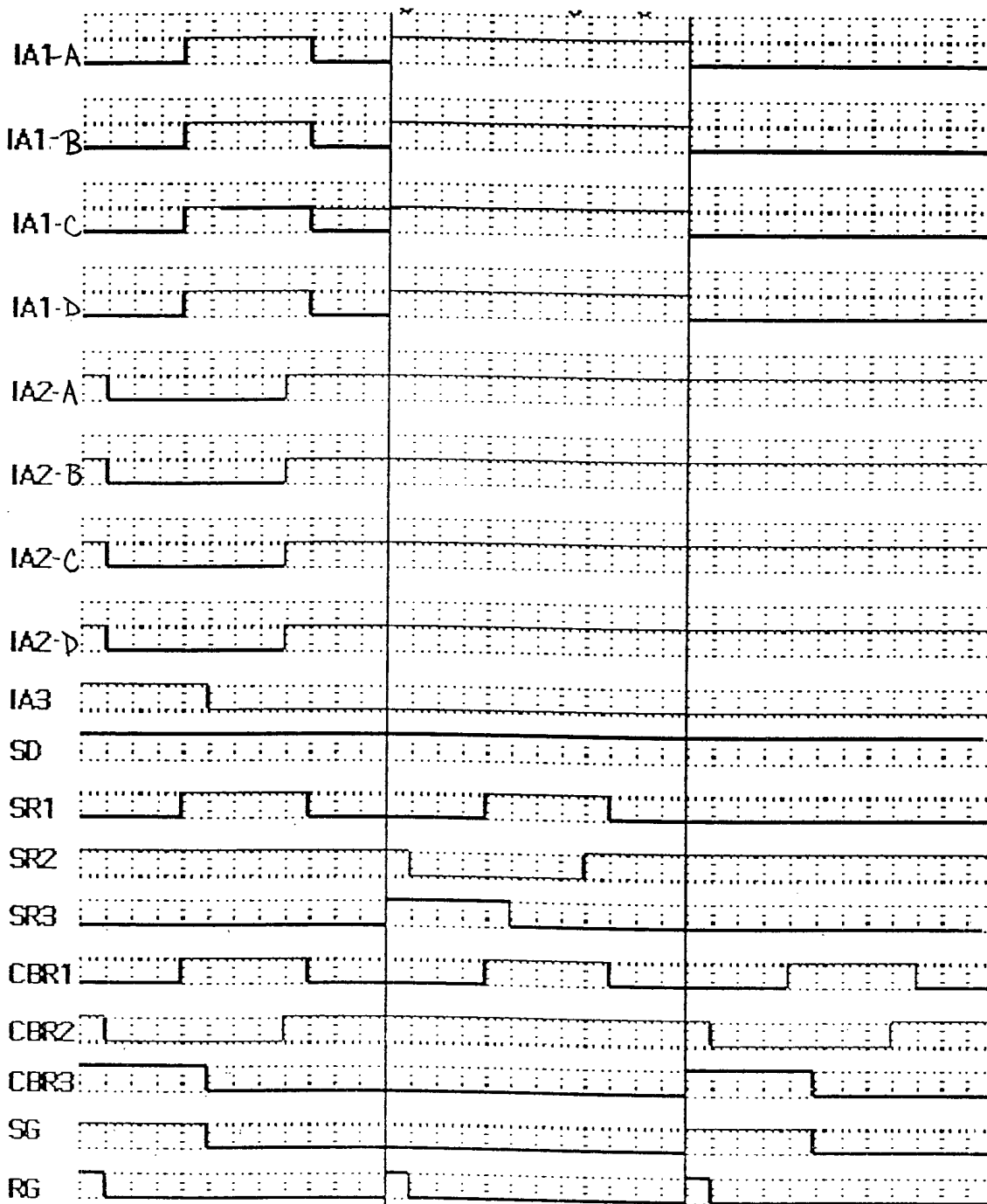
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FIG 6B



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FIG. 6C



STATE

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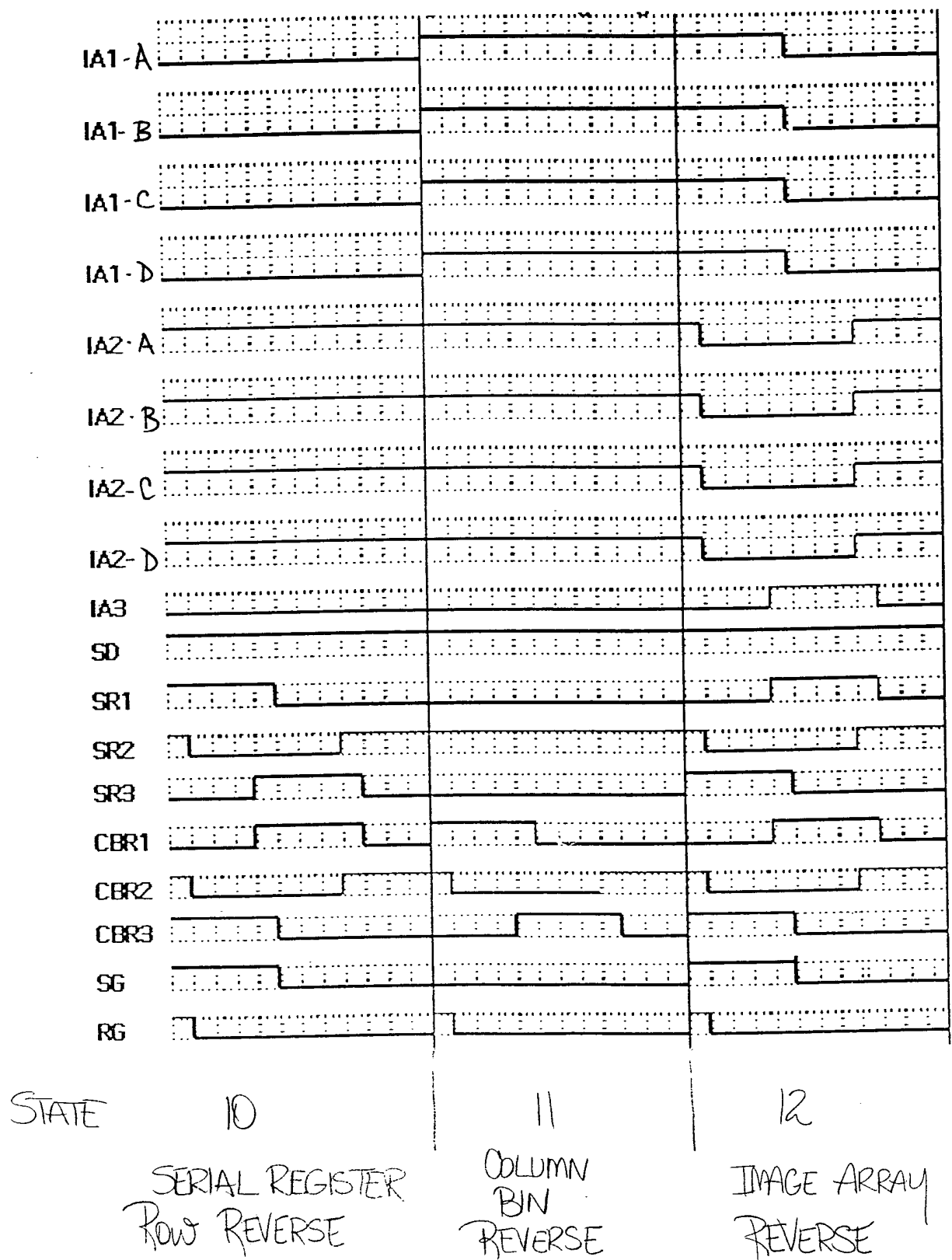
SERIAL REGISTER
ROW TRANSFER

COLUMN
BIN
TRANSFER

PIXEL
TRANSFERRED
OUT

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FIG. 6D



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150

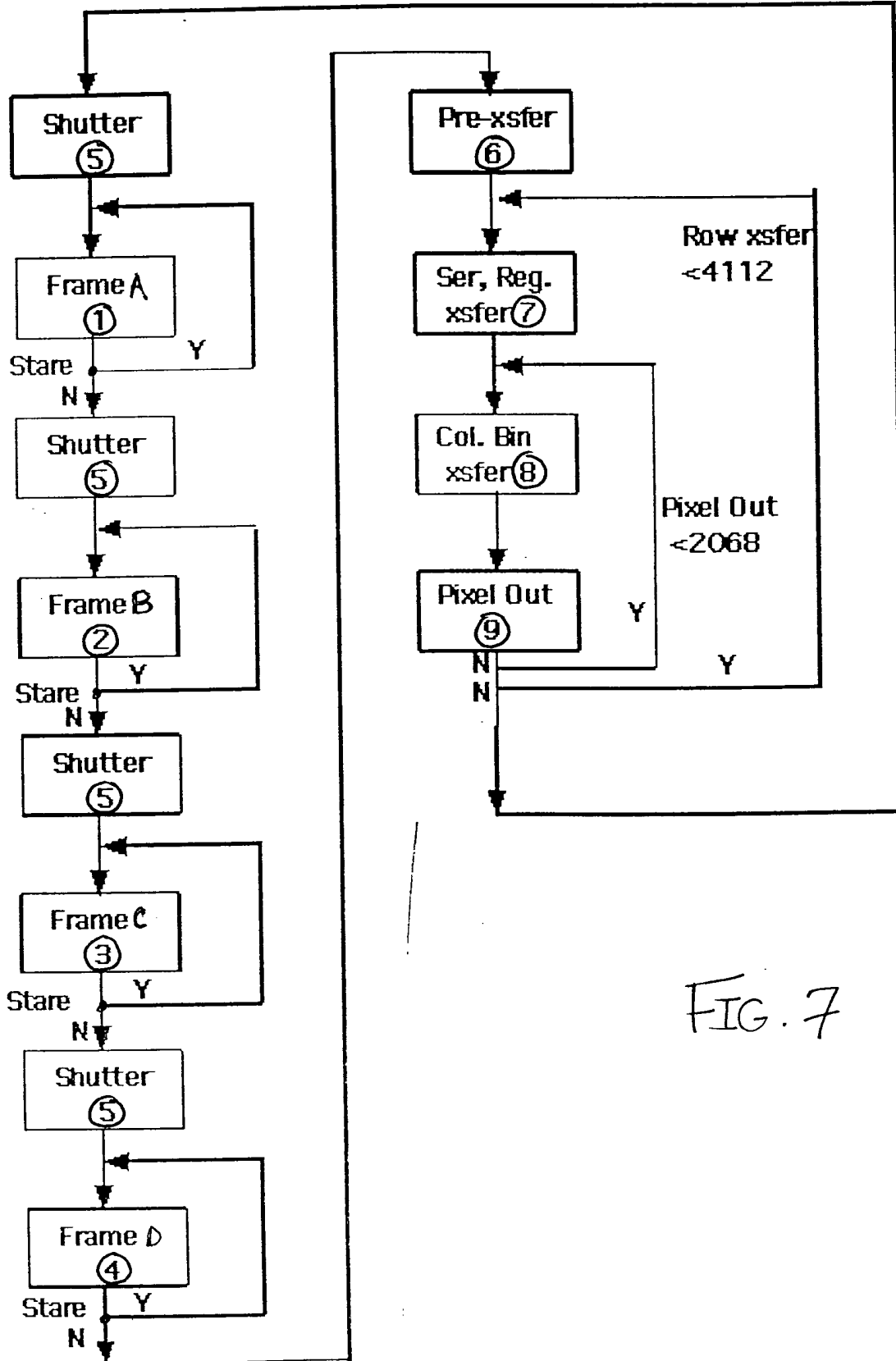


FIG. 7